

Message Text

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TAGS: PARM, US, UR

SUBJECT: TTBT/PNE NEGOTIATIONS - 10TH PLENARY

TTBT/PNE MESSAGE NUMBER TWENTY-EIGHT

1. SUMMARY: AMBASSADOR STOESSEL CHAIRED TENTH PLENARY SESSION MARCH 6. US STATEMENT WELCOMED SOVIET AGREEMENT ON VIEW THAT LIMITING PNE YIELDS IS ONE OF NECESSARY MEANS TO PRECLUDE WEAPONS RELATED BENEFITS AND REITERATED US POSITION THAT GROUP CONTAINED EVENT MUST HAVE AN AGGREGATE YIELD LESS THAN 100 KT, UNLESS INDIVIDUAL EXPLOSIONS IN GROUP CAN BE DISTINGUISHED AND MEASURED BY TELESEISMIC MEANS. AFTER TWO TECHNICAL QUESTIONS ON US POSITIONS, ONE BY SAFRONOV AND ONE BY MYASNIKOV, MOROKHOV GAVE FLOOR TO MYASNIKOV. MYASNIKOV IN SHORT STATEMENT REITERATED SOVIET ECONOMIC NEED FOR LARGE YIELDS IN LARGE PROJECTS SUCH AS KAMA-PECHORA CANAL, OVERBURDEN REMOVAL AND OTHER SIMILAR PROJECTS. HE THEN GAVE SOVIET PROPOSAL FOR EXCAVATION EXPLOSIONS AS:

-- LIMIT OF 500 KT ON INDIVIDUAL EXCAVATION EXPLOSIONS.

-- NO LIMIT ON THE AGGREGATE YIELD OF GROUP EXCAVATION EXPLOSIONS.

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-- A SMALL NUMBER OF INDIVIDUAL EXCAVATION EXPLOSIONS

WITH YIELD GREATER THAN 500 KT WOULD BE ALLOWED. MOROKHOV SUMMARIZED SOVIET POSITION, SAYING THAT THEIR POSITION ON CONTAINED EXPLOSIONS IS THAT A LIMIT OF 150 KT COULD BE PLACED ON SINGLE CONTAINED EXPLOSION BUT NO LIMIT ON THE AGGREGATE YIELD OF A GROUP AND REPEATING ELEMENTS OF POSITION ON EXCAVATION EXPLOSIONS. HE SAI SIDES SHOULD AGREE ON YIELD LIMITS AS FIRST STEP THEN WORK OUT VERIFICATION PROCEDURES INCLUDING METHOD FOR DETERMINING YIELD OF A SINGLE CONTAINED EXPLOSION IN A GROUP. AMBASSADOR STOESSEL REMARKED THAT VERIFICATION PROCEDURES MUST BE DISCUSSED ALONG WITH YIELD LIMITS AND LIMITATIONS ON FISSION YIELD AND DEPTH OF BURIAL. MOROKHOV REPLIED THAT SOVIET SIDE HAD SAME INTEREST IN VERIFICATION AS US SIDE AND AGREED THAT ALL OF THESE ELEMENTS OF VERIFICATION AND CONTROL COULD BE DISCUSSED TOGETHER. END SUMMARY.

2. STOESSEL STATEMENT (SEPTTEL) WELCOMED SOVIET AGREEMENT ON VIEW THAT LIMITING PNE YIELDS IS ONE OF NECESSARY MEANS TO PRECLUDE WEAPONS RELATED BENEFITS AND REITERATED US POSITION THAT GROUP CONTAINED EVENT MUST HAVE AN AGGREGATE YIELD LESS THAN 100 KT UNLESS INDIVIDUAL EXPLOSIONS IN THE GROUP CAN BE DISTINGUISHED AND MEASURED BY TELESEISMIC MEANS. AFTER BRIEF STATEMENT, SEVERAL TECHNICAL QUESTIONS WERE ASKED BY SOVIETS. SAFRONOV ASKED WHETHER WE WOULD USE ONLY TELESEISMIC MEANS TO DETERMINE YIELD. HECKROTTE RESPONDED THAT WE WOULD USE FULL COMPLEX OF ELEMENTS WE HAD DISCUSSED. ONE ESSENTIAL ELEMENT IS THAT OF DATA FROM TELESEISMIC MEASUREMENTS. THIS IS TO BE COMPLEMENTED BY INFORMATION EXCHANGE AND VERIFICATION OF THAT INFORMATION. SAFRONOV THEN STATED THAT OBSERVERS COULD DISTINGUISH INDIVIDUAL EXPLOSIONS IN A CONTAINED GROUP EVEN IF NOT DISTINGUISHABLE BY TELESEISMIC MEANS. HECKROTTE RESPONDED BY SAYING WE WOULD LIKE TO HEAR FROM THEM HOW THEY WOULD PROPOSE THAT INDIVIDUAL EXPLOSIONS IN A GROUP BE DISTINGUISHED AND THEIR YIELD DETERMINED BY OBSERVERS. MYASNIKOV ASKED WHAT WOULD BE THE MINIMUM SPEARATION (DISTANCE) OF EXPLOSIONS AT WHICH WE COULD TELESEISMICALLY DETERMINE SHOTS INDIVIDUALLY. AMBASSADOR STOESSEL SAID US WOULD ATTEMPT TO ANSWER

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MYASNIKOV'S QUESTION LATER.

3. MYASNIKOV THEN ADDRESSED EXCAVATION PNES, STATING THAT HIGH-YIELD EXPLOSIONS WERE NECESSARY TO CARRY OUT LARGE EXCAVATION PROJECTS THAT ARE ESSENTIAL TO THE ECONOMIC DEVELOPMENT OF THE SOVIET UNION. AS AN EXAMPLE, HE STATED THAT THE NORTHERN PORTION OF PECHORA-KOLVA PROJECT IN A THREE KILOMETER AREA WOULD

NEED EIGHT CHARGES WITH A TOTAL YIELD OF 3.2 MEGATONS AND SINGLE EXPLOSIVES OF 200-500 KT. ONLY IN THIS WAY COULD USSR ACHIEVE THE NECESSARY CROSS SECTION (OF THE CANAL) AND THE IMPOSITION OF LIMITS PROPOSED BY US WOULD CAUSE THE PROJECT TO BE INFESIBLE WITH RESULTING GREAT ECONOMIC LOSS. AS A SECOND EXMAPLE HE CITED MINING PROJECT WHERE VERY HIGH YIELDS WOULD BE NEEDED TO REMOVE A BILLION CUBIC METERS OF OVERBURDEN. HE SAID THAT THE AGGREGATE YIELD NEEDED WOULD BE SEVERAL TENS OF MEGATONS WITH SINGLE CHARGES OF 1-7 MEGATONS. HE CONCLUDED THAT:

-- THERE SHOULD BE NO LIMIT ON THE AGGREGATE YIELD OF EXCAVATION EXPLOSIONS.

-- INDIVIDUAL EXCAVATION EXPLOSIVES COULD BE LIMITED TO 500 KT.

-- A LIMITED NUMBER OF SINGLE EXPLOSIONS WITH YIELD GREATER THAN 500 KT SHOULD BE ALLOWED.

4. MOROKHOV THEN SUMMARIZED BY SAYING SOVIET PROPOSAL IS THAT INDIVIDUAL CONTAINED EXPLOSIONS BE LIMITED TO 150 KT WITHOUT LIMITING THE AGGREGATE YIELD OF GROUPS OF EXPLOSIONS. HOWEVER, CERTAIN PROJECTS WOULD NEED INDIVIDUAL YIELDS GREATER THAN 150 KT. HE STATED THAT IF WE PUT TWO FACTORS TOGETHER, I.E. (1) EFFECTIVE USE OF PNES, (2) PNES SHOULD NOT GIVE MILITARY BENEFITS, WE CAN AGREE THAT 150 KT CAN BE SET FOR A SINGLE CHARGE. IT ALSO MEANS WE WILL WORK OUT VERIFICATION PROCEDURES THAT WILL PERMIT US TO DISTINGUISH THAT THERE ARE NO YIELDS HIGHER THAN 150 KT IN A GROUP. MOROKHOV ADDED THAT HE WOULD LIKE TO UNDERLINE THAT SOVIETS HAD TRIED TO MEET OUR FIGURE FOR CONTAINED YIELDS BY LOWERING THEIRS FROM
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300 KT TO 150 KT. MOROKHOV SAID THAT THERE COULD NOT BE A LARGE NUMBER OF THE VERY LARGE YIELD EXPLOSIONS DESCRIBED BY MYASNIKOV. HE CONCLUDED BY SAYING THE NECESSARY VERIFICATION MEANS CAN BE FOUND BY BOTH SIDES BEARING IN MIND THAT THE NEEDS OF BOTH SIDES MUST BE MET TO THE SAME DEGREE.

5. STOESSEL NOTED MOROKHOV'S CONFIDENCE THAT WE CAN WORK OUT VERIFICATION PROCEDURES AND ASKED HOW THIS TASK IS TO BE ACCOMPLISHED. MOROKHOV SAID SOVIETS ARE NOT IGNORING THE QUESTION OF VERIFICATION AND ARE FULLY CONFIDENT THAT TOGETHER BOTH SIDES CAN FIND AN ANSWER TO THIS QUESTION.

6. STOESSEL THEN SAID HE WOULD LIKE TO HEAR THE SOVIET

COMMENTS ON THE US PROPOSALS ON THE LIMITATIONS OF FISSION YIELD AND DEPTH OF BURIAL. MOROKHOV SAID IT WOULD BE DESIRABLE TO PROCEED TO YIELDS AND THEN STUDAJ VERIFICATION AND THAT THEY WOULD DISCUSS LIMITATIONS ON FISSION YIELD AND DEPTH OF BURIAL IN THE CONTEXT OF VERIFICATION. STOESEL REPLIED THAT FISSION YIELD AND DEPTH OF BURIAL WERE NOT ONLY VERIFICATION PROCEDURES BUT ALSO A PART OF YIELD LIMITS. MOROKHOV THEN STRESSED THAT SOVIET SIDE IS NO LESS INTERESTED THAN AMERICA SIDE IN VERIFICATION PROCEDURES. HE SAID SIDES CANNOT PROCEED FROM FAC THAT US PNE PROGRAM IS SMALL AND SOVIET PROGRAM IS LARGE, SINCE US WILL EVENTUALLY HAVE LARGE PNE PROGRAM. HE CONCLUDED BY STATING THAT PROBLEMS RELATING TO YIELD AND VERIFICATION PROCEDURES COULD BE DISCUSSED TOGETHER. NEXT PLENARY SCHEDULED 10:30 A.M. MARCH 10. STOESEL

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